

SEQUENCE LISTING

<110> Rubio Susan, Victor
Salazar Torres, Oscar
Julain Esquivivias, Maria
Gonzales Garcia, Vincente
Munoz Gomez, Ramona
Gomez-Acebo Gullon, Eduardo
Lopez Corcoles, Horacio

<120> Protection of Plants Using Rhizoctonia

TOETZQ 130> USP79179

130> US 09/744,502

141> 2001-01-24

150> PCT/GB99/02406

151> 1999-07-23

160> 28

170> PatentIn version 3.0

210> 1

211> 15

212> DNA

213> Rhizoctonia sp.

<400> 1

ccctattaag gggca

15

<210> 2

<211> 15

<212> DNA

<213> Rhizoctonia sp.

<400> 2

ccgtaaaaaa gtctt

15

<210> 3

<211> 20

<212> DNA

<213> Rhizoctonia sp.

20

```
<400> 4
aattgttcct ttgggcac
```

```

>>> <400> 5
ggaaccttta ttggac

```

```
<400>    6
ctcaatttat tttaaaacga                20
```

```
<400> 7
ttqaatgaat atagagttg
```

```
<210> 8
<211> 21
<212> DNA
<213> Rhizoctonia sp.
```

<400> 8
tcgaatgaac aatggggatc g 21

<210> 9
<211> 11
<212> DNA
<213> Rhizoctonia sp.

<400> 9
tcctccggga g 11

<210> 10
<211> 13
<212> DNA
<213> Rhizoctonia sp.

<400> 10
ttcttcattg agg 13

<210> 11
<211> 20
<212> DNA
<213> Rhizoctonia sp.

<400> 11
agacggagga ccgtaaaaaa 20

<210> 12
<211> 16
<212> DNA
<213> Rhizoctonia sp.

<400> 12
ttccgtctat taaacc 16

<210> 13
<211> 26
<212> DNA
<213> Rhizoctonia sp.

<400> 13

acacaaaccc cattgtattt aaattg

26

<210> 14

<211> 26

<212> DNA

<213> Rhizoctonia sp.

<400> 14

acataaactc caatttaata aatctg

26

<210> 15

<211> 242

<212> DNA

<213> Rhizoctonia sp.

<400> 15

agaggaagta aaagtcgtaa caagggtttcc gtaggtgaac ctgcggaagg atcattattg

60

atgaatata gagttggttg tgcgtggctc ctccgggagc atgtgcacgc tttctctttc

120

atccacacac acctgtgcac ttgtgagacg gaggaccgta aaaaagtctt ccgtctatta

180

aaccacacaa accccattgt atttaaattg aatgtaattg atgtaacgca tcattaggaa

240

ct

242

<210> 16

<211> 243

<212> DNA

<213> Rhizoctonia sp.

<400> 16

ttagaggaag taaaagtcgt aacaaggttt ccgtaggtga acctgcggaa ggatcattat

60

tgaatgaata tagagttggt tgctgctggc tcctccggga gcatgtgcac gctttctctt

120

tcacccacac acacctgtgc acttgtagaga cggaggaccg taaaaaagtc ttccgtctat

180

taaaccacac aaacccatt gtattttaaat tgaatgtaat tgatgtaacg catcattaga

240

act

243

<210> 17
 <211> 238
 <212> DNA
 <213> Rhizoctonia sp.

<400> 17
 ggaagtaaaa gtcgtaacaa ggtttccgta ggtgaacctg cggaaggatc attattgaat 60
 gaatatagag ttggttgctg ctggctcctc cgggagcatg tgcacgcttt ctctttcatc 120
 cacacacacc tgtgcacttg tgagacggag gaccgtaaaa atgtcttccg tctattaaac 180
 cacacaaacc ccattgtatt taaattgaat gtaattgatg taacgcatca ttagaact 238

<210> 18
 <211> 236
 <212> DNA
 <213> Rhizoctonia sp.

<400> 18
 ggataaagt cgtaacaagg tttccgtagg tgaacctgcg gaaggatcat tattgaatga 60
 atatatagagtt ggttgctgct ggctcctccg ggagcatgtg cacgctttct ctttcatcca 120
 cacacacctg tgcacttggt agacggagga ccgtaaaaaa gtcttccgtc tattaaacca 180
 caciaacccc attgtattta aattgaatgt aattgatgta acgcatcatt agaact 236

<210> 19
 <211> 237
 <212> DNA
 <213> Rhizoctonia sp.

<400> 19
 gggataaaaag tcgtaacaag gtttccgtag gtgaacctgc ggaaggatca ttattgaatg 60
 aatatagagt tggttgtcgc tggctcctcc gggagcatgt gcacgctttc tctttcatcc 120
 acacacacgt gtgcacttgt gagacggagg accgtaaaaa agtcttccgt ctattaaacc 180
 acacaaaccc catcgtatth aagttgaatg taattgatgt aacgcatcat tagaact 237

<210> 20

<211> 245
 <212> DNA
 <213> Rhizoctonia sp.

<400> 20
 ttagagggga ataaaaagtc gtaacaaggt ttccgtaggt gaacctgcgg aaggatcatt 60
 attgaatgaa tatagagttg gttgtcgtg gctcctccgg gagcatgtgc acgctttctc 120
 tttcatccac acacacctgt gcacttgtga gacggaggac cgtaaaaaag tcttccgtct 180
 attaaaccac acaaacccca ttgtatttaa attgaatgta attgatgtaa cgcatacatta 240
 aaact 245

<210> 21
 <211> 246
 <212> DNA
 <213> Rhizoctonia sp.

<400> 21
 ttagagggga agtaaaaagt cgtaacaagg ttccgtagg tgaacctgcg gaaggatcat 60
 tattgaatga atatagagtt ggttgtcgt ggctcctccg ggagcatgtg cacactttct 120
 ctttcatcca cacacacctg tgcacttgtg agacggagga ccgtaaaaaa gtcttccgtc 180
 tattaaacca cacaaccccc attgtattta aattgaatgt aattgatgta acgcatcatt 240
 agaact 246

<210> 22
 <211> 252
 <212> DNA
 <213> Rhizoctonia sp.

<400> 22
 ttcccttttt tagaggaagt aaaagtcgta acaaggtttc cgtaggtgaa cctgcggaag 60
 gatcattatt gaatgaatat agagttgggt gtcgctgggt cctccgggag catgtgcacg 120
 ctttctcttt catccacaca cacctgtgca cttgtgagac ggaggaccgt aaaaaagtct 180
 tccgtctatt aaaccacaca aacccattg tatttaaatt gaatgtaatt gatgtaacgc 240

atcattagaa ct

252

<210> 23

<211> 230

<212> DNA

<213> Rhizoctonia sp.

<400> 23

agtcgtaaca aggtttccgt aggtgaacct gcggaaggat cattattgaa tgaatataga 60

gttggttgct gctggctcct cgcgggagca tgtgcacgct ttctctttca tccacacaca 120

cctgtgcact tgtgagacgg aggaccgtaa aaaagtcttc cgtctattaa accacacaaa 180

ccccattgta tttaaattga atgtaattga tgtaacgcat cattagaact 230

<210> 24

<211> 232

<212> DNA

<213> Rhizoctonia sp.

<400> 24

gtcgtacaacaa gggtttccgta ggtgaacctg cggaaggatc attatcgaat gaacaatggg 60

gatcggttgt cgctggcttc ttcattgagg catgtgcacg cctttctcta tttcatccac 120

acacacctgt gaacttgtga gacggatagt agtaaaaaaa gtcttcgtct gtcaatacat 180

aaactccaat ttaataaatc tgaatgtaat tgatgtaaca catctttaaa ct 232

<210> 25

<211> 226

<212> DNA

<213> Rhizoctonia sp.

<400> 25

gtcgtacaacaa gggtttccgta ggtgaacctg cggaaggatc attatcgaat gaacaatggg 60

gatcggttgt cgctggcttc ttcattgagg catgtgcacg cctttctcta tttcatccac 120

acacacctgt gaacttgtga gacggaggac cgtaaaaaag tcttctgtct acataaactc 180

cáatttáata aatctgaatg taattgatgt aacacatctt taaact 226

<210> 26
 <211> 173
 <212> DNA
 <213> Rhizoctonia sp.

<400> 26
 agagtcggtt gtcgctggct gtctttggca gcatgtgcac gccttctctt ttcattccaca 60

cacccctgtg cacttgtgag actggaggcc gtaaaaagcc ttcagtctgc taaattcata 120

tacaaactca tttaattgaa ctgaatgtac ttgatgtaac gcatcattaa act 173

097445062071301
 <210> 27
 <211> 230
 <212> DNA
 <213> Rhizoctonia sp.

<400> 27
 aaagtcgtaa caaggtttcc gtaggtgaac ctgcggaagg atcattattg aatgaactta 60

tgagtcggtt gtcgctggctg tctttggcag catgtgcacg ccttctctat tcatccacac 120

acccctgtgc acttgtgaga ctggaggccg taaaaagcct tcagtgctaa attcatatac 180

aaactcattt aactgcactg aatgtacttg atgtaacgca tcattacact 230

<210> 28
 <211> 152
 <212> DNA
 <213> Rhizoctonia sp.

<400> 28
 agagtttggg tgtagctggg ccctaattaa cttgggggca tgtgcacacc tttctctttc 60

atcccataca cacctgtgca cctgtgagac agatgttttc tagaggggga aggaacttta 120

ttggacctac tctccttgga ccttctgtct ac 152